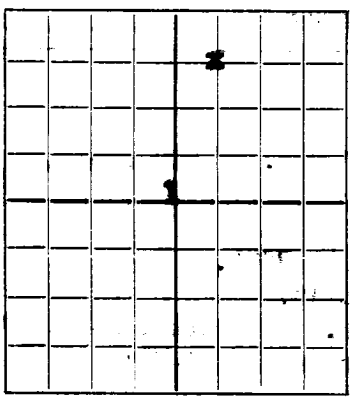
FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

DUPLICATE

Amerada Petroleum Corporation (Company or Operator) Phillips (Lease)

Well No. 4 in NW¼ NE¼ of Sec. 1, T. 20 R. 36, N. M. P. M., Monument Field, Lea County.

Well is 660' feet south of the North line and 1980' feet west of the East line of 1 - 20 - 36

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is _____, Address _____

If Government land the permittee is _____, Address _____

The Lessee is Amerada Petroleum Corporation, Address Tulsa, Oklahoma

Drilling commenced March 22, 1937. Drilling was completed April 18, 1937

Name of drilling contractor Noble Drilling Co., Address Tulsa, Oklahoma

Elevation above sea level at top of casing 3574' feet.

The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from 3822' to 3900' No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 0 to _____ feet. _____

No. 2, from _____ to _____ feet. _____

No. 3, from _____ to _____ feet. _____

No. 4, from _____ to _____ feet. _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
12½"	40#	8-Thd.	L.W.	175'7"	Texas Pattern				
8-5/8"	32#	8-Thd.	Smls	3359'5"	Baker Bakblu				
5-1/2"	17#	10-Thd.	Smls	3852'1"	Halliburton				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17½"	12½"	191'	200	Halliburton		
11"	8-5/8"	3360'	800	Halliburton		
6-3/4"	5-1/2"	3852'	100	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____

Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 3900' feet, and from _____ feet to _____ feet

Cable toops were used from 0 feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing April 19, 1937, 19____

The production of the first 24 hours was 102 barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, Be 32

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

B.W. Garrett, Driller H. F. Perryman, Driller

Roy Manning, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 22 day of April, 19 37

Monument, New Mexico (Place) April 22, 1937 (Date)

Name J. A. Stanley

Position Supt

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Cellar and substrucutre.
18	110	92	Sand, gravel and shells.
110	200	90	Red bed. Set 191' of 12½" Csg. W/ 200 sacks.
200	655	455	Red bed and shells.
655	960	305	Red rock and shells.
960	1083	123	Anhydrite. Top of Anhydrite 960'.
1083	1159	76	Anhydrite and streaks of salt.
1159	1400	241	Anhydrite, salt and potash. Air pocket at 1275', Air pocket at 1325'-30'.
1400	1425	25	Salt.
1425	1876	451	Salt, anhydrite and potash.
1876	2296	420	Salt and anhydrite. Air pocket at 1945'.
2296	2395	99	Anhydrite. Base of salt 2250'. Set 8-5/8" csg. At 2360' with 800 sacks of cement. 500 sacks pumped through the casing and 300 sacks pumped through the shoe.
2395	2505	110	Anhydrite and streaks of sand.
2505	2515	10	Anhydrite.
2515	2554	39	Brown lime. Top of Monument Lime 2510'.
2554	2592	38	Anhydrite and streaks of brown lime.
2592	2711	119	Anhydrite and lime.
2711	2733	22	Anhydrite, streaks of gyp and shale.
2733	2765	32	Anhydrite and lime. Gas increase at 2756'-58'.
2765	2798	33	Anhydrite, lime and streaks of shale.
2798	2839	41	Anhydrite and lime.
2839	2867	28	Anhydrite, lime and streaks of gyp.
2867	2871	4	Anhydrite.
2871	2876	5	Sandy shale.
2876	2887	11	Anhydrite.
2887	2914	27	Anhydrite, shale and streaks of gyp.
2914	3025	111	Anhydrite and shale.
3025	3049	24	Anhydrite and lime.
3049	3053	4	Black shale.
3053	3055	2	Anhydrite.
3055	3071	16	Black shale and streaks of anhydrite.
3071	3097	26	Broken lime and streaks of anhydrite. Show of gas.
3097	3102	5	Black shale.
3102	3143	41	Lime and streaks of anhydrite.
3143	3179	36	Lime and streaks of shale.
3179	3215	36	Lime and streaks of shale and gyp.
3215	3220	5	Lime and black shale.
3220	3241	21	Brown and gray lime.
3241	3320	79	Gray lime.
3320	3325	5	Shale.
3325	3360	35	Gray lime.
3360	3365	5	Green shale.
3365	3432	67	Gray lime.
3432	3462	30	Gray and brown lime.
3462	3486	24	Gray lime.
3486	3515	29	Gray and brown lime.
3515	3588	73	Gray lime.
3588	3673	85	Gray lime and streaks of shale.
3673	3690	17	Lime.
3690	3697	7	Steel line correction:
3697	3803	106	Lime and sand.
3803	3900	97	Lime. Set 5-5/8" Csg. At 3822' w/ 100 sacks.
			Top of pay 3822'.

4/19/37 3900' Total depth. Broken lime. Set 2½" upset tubing at 3898'. Swabbed in and flowed 221 barrels oil on 5-3/4 hour test. Through 1" open choke on 2½" tubing Hourly average of 25 barrels. Gas volume the second hour of test 10,000,000. The sixth hour of test gas volume was 11,000,000. Gas oil ratio 16,500.

4/20/37 Killed well and pulled tubing. Re-run tubing with packer. Set packer at 3855' w/ perforations below. Swabbed well in and flowed 465 barreal oil on 10-1/2 hour test. Through 1" open choke on 2½" tubing. Hourly average of 44 barrels. Daily gas volume of 5,800,000. Gas oil ratio 5580.

4/21/37 Killed well and pulledtubing and packer. Re-run tubing with packer. Set packer at 3870' w/ perforations below. Swabbed in and flowed 162 barrels oil on 2½ hour test. Through 1" open choke on 2½" tubing. Gas volume of 562,000. Gas oil ratio of 365. Tubing pressure 110#. Casing pressure 0#.